

FIG. 1

20 Basic Purchase Order Data :

Record No.	Supplier Name	Start Point	End Point	Purchase Order No.	Line Item Number	Order Due Date	Invoice amount	Received date	Paid amount	Order Status	Customer Part Number	Manufacturer Part Number	Quantity	SIC code	Buyer Name
1	Jane Doe Co.	OC	CFD	X025A-1	1	10/1/01	\$60,000.00	10/1/01	60,000.00	Closed	F-2101	123-4567	5000	3324	GoodCo Inc.
2	Jane Doe Co.	OC	CFD	X025A-1	2	10/1/01	\$5,498.26	10/05/01	5000.00	Closed	SDD-3	100-3456	50	3311	GoodCo Inc.
3	Jane Doe Co.	OC	CFD	B89T	1	10/7/01	\$20.05	10/06/01	20.00	Closed	AA-02	789	2	2432	GoodCo Inc.
4	Jane Doe Co.	OS	SSD	B91T	1	9/28/01	1400.02	9/28/01	1,400.00	Closed	AA-03	1234A	800	5643	GoodCo Inc.
5	Max Doe Co.	OS	CRD	11893267	1	10/12/01	1,110.00	10/14/01	1,110.00	Closed	B123	1234A	800	5643	GoodCo Inc.

FIG. 2a

Summarized Purchase Order Data (summarized by Supplier for each Buyer):

Record No.	Supplier Name	Start Point	End Point	# of POs	# of Line Items	Orders On Time	Line Items On Time	Buyer Name
1	Jane Doe Co.	OC	CFD	2	3	1	2	GoodCo Inc.
2	Jane Doe Co.	OC	SSD	1	1	1	1	GoodCo Inc.
3	Max Doe Co.	OC	CRD	1	1	0	0	GoodCo Inc.

FIG. 2b

FIG. 3 is a flowchart illustrating a process for creating summary data from basic data.

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PROCESS FOR CREATING SUMMARY DATA FROM BASIC DATA	
(3-1)	Create a Summarized Purchase Order Data table with fields for Record #, Supplier Name, Start Point, End Point, # of POs, # of Line Items, Orders On Time, Line Items On Time, and Buyer Name.
(3-2)	Identify subsets of records in Basic Purchase Order Data table, records in each subset having the same Supplier Name, Buyer Name, Start point, and End point.
(3-3)	For each subset of records identified in step (3-2), identify sub-subsets of records having the same Purchase Order No.
(3-4)	For each subset identified in step (3-2), create one record in the Summarized Purchase Order Data table; and for each Summarized Purchase Order Data record created, populate the Supplier Name, Start point, End point, and Buyer name fields with the data from the corresponding Basic Purchase Order Data subset identified in step (3-2).
(3-5)	For each record created in step (3-4), populate the "# of POs" field with the total obtained by summing the number of sub-subsets identified in step (3-3).
(3-6)	For each record created in step (3-4), populate the "# of Line Items" field with the total obtained by summing the number of line items in the corresponding subset identified in step (3-2) (if one record for each line item in Basic Data, this will simply be the number of records in the corresponding step (3-2) subset).
(3-7)	For each record created in step (3-4), populate the "Orders On Time" field with the total obtained by summing together values of 1 for each of the sub-subsets identified in step (3-3) for which each record in the subset has a Received Date earlier than or equal to an Order Due Date.
(3-8)	For each record created in step (3-4), populate the "Line Items On Time" field with the total obtained by summing together values of 1 for each record in the corresponding subset identified in step (3-2) for which the Received Date is earlier than or equal to the Order Due Date.

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Basic Purchase
Order Data

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Summarized
Purchase Order
Data
(stored)

FIGURE 3

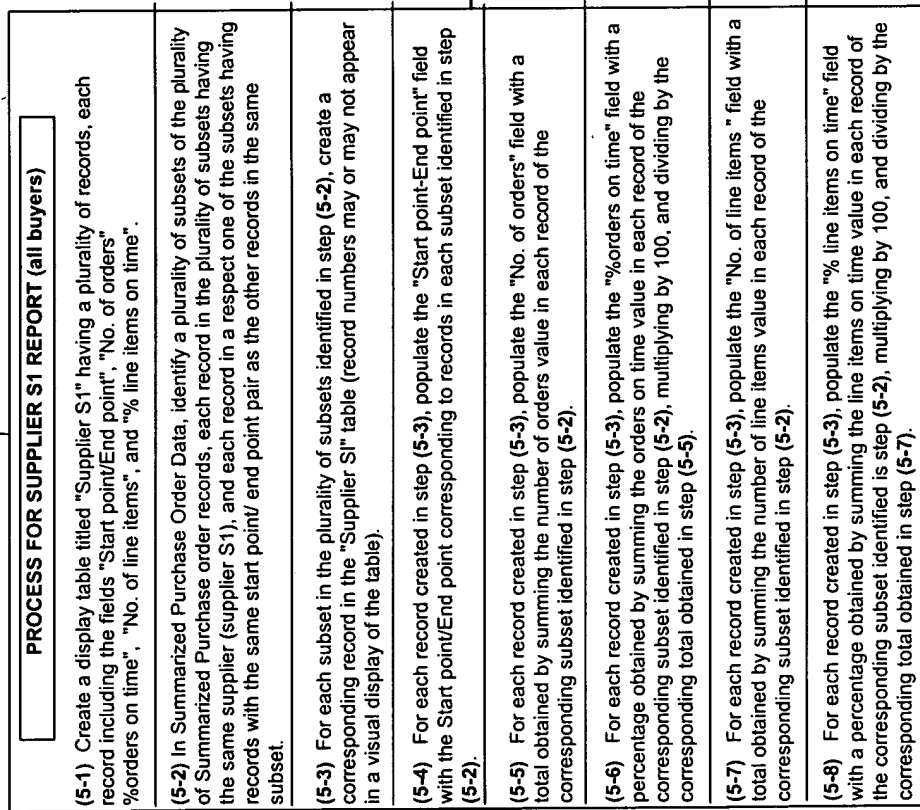
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Supplier S1

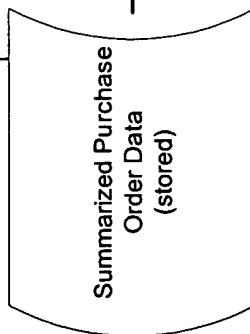
40a	40aF-1	40a-F-2	40aF-3	40aF-4	40aF-5
	All customer orders				
Start point / End point	No. of orders	% on time	No. line items	% on time	
40aR-1 OS-CFD	45	13%	200	42%	
40aR-2 OC-SRD	89	95%	305	97%	
40aR-3 OC-DTO	894	85%	1,845	96%	
40aR-4 OC-CFD	499	46%	2,014	67%	

Customer C1 orders					
Start point / End point	No. of orders	% on time	No. line items	% on time	
OS-CFD	4	12%	17	36%	
OC-SRD	0	-- %	0	--%	
OC-DTO	0	-- %	0	--%	
OC-CFD	223	41%	865	62%	

FIG. 4



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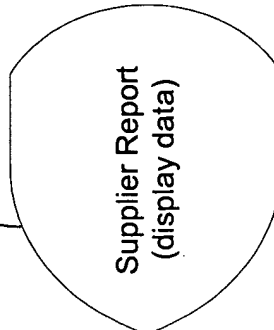


FIG. 5

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Reject Performance Supplier S3			
61	61-c1	61-c2	
	Supplier lots to Customer C2	All supplier lots	
	# of lots total	898	
	Rejected due to supplier	3.1%	
61-r1	Rejected due to customer	2.0%	
61-r2		1.4%	
61-r3			

FIG. 6

FIG. 7

